

What is claimed is:

1. An evaporation apparatus for solvent fuel comprising an evaporation tank,
a fuel reservoir, and a liquidal fuel level controller; wherein a blower motor,
5 a pressure switch, and a gaseous fuel exit are installed on the top surface of
said evaporation tank, one end of said blower motor is connected to an air
inlet pipe to introduce the air into said apparatus, a check valve is installed
at the joint portion of said blower, motor outlet and said air inlet pipe for
preventing back flow of the air and the gaseous fuel;
10 said apparatus is characterized in that the air is introduced into said
evaporation tank from said fuel reservoir via said air inlet pipe, said
liquidal fuel level controller equipped in the lower portion of said
evaporation tank is composed of a float bowl and a gate switch, said float
bowl detects the fuel level and actuates said gate switch for regulating
15 amount of fuel supply, thereby maintaining the fuel level in said
evaporation tank at a predetermined height and achieving stable
evaporation effect, the variation of fuel level never affects the evaporation
effect or combustion efficiency.
2. The evaporation apparatus as in claim 1, wherein a rod shaped temperature
20 gage is provided at the bottom portion of said evaporation tank, and said
temperature gage is connected to a temperature controller, a heating strip
provided along outer edge of the bottom portion of said evaporation tank is
connected to said temperature controller which detects the inner
temperature of said evaporation tank and actuates said heating strip if said
25 temperature is lower than the predetermined value.
3. The evaporation apparatus as in claim 1, wherein said check valve installed

at the joint portion of said blower motor outlet and said air inlet pipe is for preventing back flow of the air and the gaseous fuel.

4. The evaporation apparatus as in claim 1, wherein said fuel level controller is installed in a fuel supplier interposed between said evaporation tank and said fuel reservoir for controlling fuel input to said evaporation tank.
5. The evaporation apparatus as in claim 4, wherein said fuel supplier communicates its two ends respectively to said evaporation tank and said fuel reservoir with a pipe, and an extension pipe is uprightly erected to communicate with an air conducting pipe interconnecting said evaporation tank and said fuel reservoir so as to balance the internal pressure of both tank and reservoir.